

P.W.G. 17

NO. 1

Division

Bills received No

1st and final bill

Yelahanka

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

Reference paras 158 & 170

Sub division

Yelahanka New Town

Date

Date

Sub-divisional

Cash book v. No

Divisional

Date

Head of account

INK-DBR No. 59

Date 16.01.18

Scheduled Docket No

Name of work(as per sanctioned estimate) :-

P-2178

NAME OF WORK : Improvements of roads and drain at Attur layout in ward no 03 (balance roads)

Work code:0003-17-000074

Name of contractor and full address :-

Technical Manager (west)

Reference to agreement No :-

69

Estimated cost :50.00

W.O.dated:69/17-18, dt:16/06/2017

Certified that the measurements were taken by me on 15/09/17 and recorded on pages 114702 to 114713 of measurement book No 1148 and the work is satisfactorily executed by the contractor.

Signature of contractor

Assistant Engineer

Certified that the measurements were taken by me on 15/09/17 and recorded correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of account II have been actually brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immediate use on the work in connection with items for which rates finished work have been agreed upon. A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

- 1) Total value of work done or supplies as per A/c within
- 2) Deduct amount to be held in reserve being percent Rs-----%
- 3)
 - a) Amount of previous payment as in divisional/sub divisional cash book vi no-----dated-----S.D no-----Amount-----
 - b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash
- 5) Balance being unpaid value of work done held in reserve
- 6) Deduct cash of advance made on divisional/sub divisional cash book
- 7) Net amount due to or from contractor.

Balance--

CL	1 x FINAL = 4921611=00
FSD	246081=00
CST	49216=00
SGST	49216=00
IT	92432=00
LC	49216=00
CRF	4921=00
LE	41355=00
T-D	538438=00
Net	4383173=00

Total

UN ADJUSTED ITEMS

- 8) Advance to contractor for materials to site(as detailed within)
- 9) Value of government materials supplied.

TOTAL AMOUNT UN-ADJUSTED

Contractor's signatures

Received Rs----- (in words)-----

For use in the Executive Engineer's office of payment as per memorandum (in final settlement of all demand)

Witness

1)

2)

Dated signature of contractor paid by me cheque No dated

Cash Rs

Date

Initials of officer making payment

Received
Stamp
EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Audited & Admitted for Rs

4921611=00

Date

4383173=00

Executive Engineer

and Rs

538438=00

by adjustment

Accepted
Yelahanka Division
BBMP

Exe Engineer
Yelahanka Division
BBMP

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).	Sqm			549.73	80.56	44286.25	549.73	44286.25
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum			226.69	86.92	19703.89	226.69	19703.89
3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery, curing complete as per specifications. Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2015-16)	Cum			6.30	5348.60	33696.18	6.30	33696.18

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
4	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2015-16,p.no13,sno4.11)	Cum			21.42	11032.48	236315.72	21.42	236315.72
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe55 0(pwd sr2015-16,p.no17,s.no4.46)	Tonne s			1.29	59413.00	76642.77	1.29	76642.77

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
6	Providing precast slab of 100 mm thick including cost of all materials labour, curing transportation loading unloading etc., complete as per the direction of engineer incharges	Sqm			103.08 ✓	1757.00 ✓	181111.56 ✓	103.08	181111.56 ✓
7	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301	Cum			1194.41 ✓	48.76 ✓	58239.43 ✓	1194.41	58239.43 ✓

Sl. No	Items grouped under		Unit	Previous		Present			Total	
	Sub-heads and			Measurment		Measurment			Up to date	
	Sub-works of the estimate			Qty	Cost	Qty	Rate	Amount	Qty	Cost
8	KSRRB	M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method	Cum			447.90	1665.26	745869.95	447.90	745869.95
9	KSRRB	M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Sqm			671.85	1768.08	1187884.55	671.85	1187884.55

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
10	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm			2986.02	27.56	82294.71	2986.02	82294.71
11	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Sqm			2986.02	11.66	34816.99	2986.02	34816.99

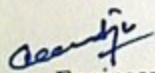
Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
12	KSRRB M500-17. Providing and laying dense graded bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.7 complete in all respects as per	Cum			149.30	6435.26	960784.32	149.30	960784.32

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
13	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH	Cum			89.58	7270.54	651294.97	89.58	651294.97
14	Lead for disposal of earth shall be payable at carriage rates (lead & 1ft) by mechanical means including loading and unloading up to 7kms)	Cum			1421.10	90.40	128467.44	1421.10	128467.44

Sl. No.	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous		Present			Total	
			Measurment		Measurment			Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
15	KSRRB M800-13. Providing and laying of hot thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Cum			136.04	542.72	73831.63	136.04	73831.63
					TOTAL Rs.		4515240.32		4515240.32
16	Cost towards preparation of DPR PMC / QC @1%						45152.40		45152.40
17	Cost of plastic @ 8% bitumen qty for BC			1010.46	27		27282.42		27282.42
18	KRIDL Charges 9%						406371.62		406371.62
					GRAND TOTAL Rs		4994046.76		4994046.76

4921611=00

4921611=00


Asst. Engineer


Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore-560064